

Detailed Trend Data
 Alaska Maternal and Child Health Data Book 2011: Alaska Native Edition
 Alaska, 2000-2008
<http://www.epi.hss.state.ak.us/mchepi/mchdatabook/2011.htm>

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Chapter 2: Reproductive Health

Crude Birth Rate

Overall	15.7	15.7	15.3	15.4	15.6	15.6	16.2	16.2	16.5	< 0.001 **
Non-Native	14.4	14.2	14.1	14.1	14.1	14.0	14.8	14.7	15.0	< 0.001 **
Alaska Native	22.1	22.5	21.3	21.6	22.4	23.0	22.6	22.7	23.4	0.003 **

Teen Birth Rate

Overall	49.0	42.6	41.5	40.5	40.8	38.7	40.7	40.9	41.9	< 0.001 **
Non-Native	38.5	31.0	32.1	31.2	30.4	29.1	30.0	31.4	30.1	< 0.001 **
Alaska Native	86.6	85.3	76.2	74.0	77.6	72.1	77.4	73.1	82.3	0.086

Fertility Rate

Overall	69.7	70.5	69.9	71.0	72.5	73.0	76.8	77.5	80.1	< 0.001 **
Non-Native	63.5	64.0	64.4	65.3	66.1	66.1	70.9	71.3	73.5	< 0.001 **
Alaska Native	98.3	100.7	95.8	97.5	101.5	104.0	103.2	104.3	108.6	< 0.001 **

Postpartum Birth Control Use

Overall	80.9	83.1	80.2	80.6	84.0	83.3	84.4	84.5	81.3	0.085
Non-Native	82.4	85.3	82.1	81.5	86.5	86.1	86.1	86.3	83.8	0.088
Alaska Native	76.5	77.3	75.2	77.7	76.5	75.1	79.0	79.2	73.3	0.833

Live Births Despite Use of Birth Control

Overall	23.8	26.7	26.2	23.5	23.7	24.3	26.6	23.8	23.6	0.458
Non-Native	24.4	26.9	26.7	22.9	23.2	25.3	26.9	23.0	24.6	0.586
Alaska Native	22.0	26.6	24.7	25.3	24.8	21.5	25.2	25.9	20.4	0.365

Unintended Pregnancy Among Women Delivering Live Births

Overall	43.2	45.4	45.3	45.4	44.2	43.0	43.6	39.3	39.7	0.002 **
Non-Native	39.5	42.4	42.8	41.8	42.2	40.8	40.1	35.8	36.3	0.012 *
Alaska Native	54.3	54.5	53.0	56.2	50.2	49.4	54.1	49.9	50.5	0.030 *

* p value for trend is statistically significant at the 0.05 level

** p value for trend is statistically significant at the 0.01 level

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Chapter 3: Prenatal Health

Prenatal Care (First Trimester)

Overall	80.6	80.9	80.5	80.2	81.1	80.5	81.3	80.4	79.9	0.707
Non-Native	84.0	83.9	83.8	83.3	84.6	83.6	84.2	84.0	84.1	0.823
Alaska Native	70.3	72.1	70.1	70.8	71.0	71.7	72.6	69.9	67.8	0.354

Knowledge of Folic Acid Benefits

Overall	80.8	80.5	80.8	82.0	81.8	81.4	82.6	77.0	78.2	0.049 *
Non-Native	87.0	86.3	86.3	87.5	86.2	86.8	86.9	82.1	81.9	0.005 **
Alaska Native	62.3	63.1	63.5	65.3	68.4	66.1	68.4	61.5	67.1	0.105

Prenatal WIC Participation

Overall	48.5	45.4	50.5	50.1	49.5	50.4	50.9	49.2	46.7	0.716
Non-Native	42.4	39.6	46.3	45.5	43.1	42.7	45.7	43.5	39.1	0.661
Alaska Native	66.3	62.1	63.5	64.1	67.7	72.5	68.0	66.6	69.6	0.003 **

Chapter 4: Prenatal Substance Use

Prenatal Cigarette Use (Last 3 Months)

Overall	16.8	14.7	17.7	16.7	17.4	16.0	14.8	15.5	15.1	0.163
Non-Native	12.6	10.3	14.0	13.9	12.6	12.0	10.5	10.1	10.2	0.057
Alaska Native	29.4	27.8	29.3	25.7	31.3	27.7	28.0	31.1	29.9	0.417

Prenatal Spit Tobacco or Iqmik Use

Overall	5.0	5.7	3.6	5.3	4.7					0.555
Non-Native	1.2	0.5	0.2	1.1	0.3					--
Alaska Native	16.6	20.8	14.1	18.0	18.3					0.905

Prenatal Marijuana Use

Overall	4.5	5.1	3.5	5.2	4.8	5.8	6.1	5.4	6.0	0.014 *
Non-Native	3.8	3.8	2.1	3.8	3.3	3.6	5.1	4.7	4.8	0.049 *
Alaska Native	6.4	8.8	7.8	9.4	9.6	12.0	9.3	7.0	10.0	0.103

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Any Prenatal Alcohol Use (Last 3 Months)

Overall	5.3	5.2	4.3	4.9	3.6	5.3	4.2	5.1	6.1	0.527
Non-Native	5.1	5.8	4.7	5.2	3.7	5.6	4.6	5.9	6.7	0.332
Alaska Native	5.5	3.1	3.3	3.9	3.5	4.6	3.0	2.8	4.2	0.328

Chapter 5: Maternal Health

Pre-pregnancy Overweight or Obesity

Overall	41.1	42.4	42.6	46.7	42.8	45.3	45.9	46.8	45.0	0.007 **
Non-Native	37.3	40.3	41.2	46.3	38.9	42.2	42.7	45.5	41.3	0.060 *
Alaska Native	53.1	49.3	46.6	47.9	55.0	53.5	56.2	51.4	55.4	0.011 *

Symptoms of Maternal Depression

Overall	28.5	28.2	25.2	26.7	26.8		0.345
Non-Native	26.2	26.1	23.0	24.7	25.6		0.690
Alaska Native	35.1	34.4	32.4	33.4	30.7		0.127

Physical Abuse by Husband or Partner During the 12 Months Before Pregnancy

Overall	8.0	7.4	5.2	6.1	4.3	3.9	4.3	4.8	4.5	< 0.001 **
Non-Native	5.2	6.1	3.2	4.1	2.0	2.5	2.7	4.1	3.9	0.060
Alaska Native	16.2	11.0	11.2	12.4	11.1	8.0	9.2	6.9	6.4	< 0.001 **

Prenatal Physical Abuse by Husband or Partner

Overall	5.2	5.0	3.1	5.0	2.6	3.9	3.8	3.1	3.1	0.006 **
Non-Native	3.7	4.1	1.6	3.6	1.1	3.5	3.0	2.7	2.9	0.431
Alaska Native	9.6	7.3	7.6	9.4	6.9	5.3	6.3	4.4	4.0	< 0.001 **

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Chapter 6: Infant Health

Breastfeeding Initiation

Overall	88.9	90.6	90.5	90.3	91.0	90.6	92.7	91.0	91.8	0.016 *
Non-Native	90.6	91.8	92.0	91.6	91.9	90.9	93.1	91.6	92.7	0.288
Alaska Native	83.3	86.7	86.0	86.1	88.3	89.5	91.4	88.7	88.7	< 0.001 **

Placing Infants to Sleep on Their Backs

Overall	66.8	69.7	69.3	72.9	73.3	70.2	73.8	74.8	76.1	< 0.001 **
Non-Native	67.1	69.6	68.7	72.6	72.9	68.7	74.3	74.0	75.0	< 0.001 **
Alaska Native	65.5	69.9	72.2	73.9	74.8	74.4	72.5	77.4	79.5	< 0.001 **

Bed Sharing (Always or Often)

Overall	39.9	38.7	39.5	41.9	42.4	43.3	45.7	46.7	47.8	< 0.001 **
Non-Native	34.6	33.0	34.4	37.8	37.4	37.5	41.1	42.0	43.1	< 0.001 **
Alaska Native	56.0	57.1	55.6	54.9	57.7	60.5	61.0	62.2	63.9	< 0.001 **

Prenatal Exposure to Secondhand Tobacco Smoke

Overall	23.2	19.5	18.3	14.8	15.8					< 0.001 **
Non-Native	23.2	19.0	18.6	15.4	15.1					< 0.001 **
Alaska Native	23.2	21.1	17.8	12.5	18.0					< 0.001 **

Infant Exposure to Secondhand Tobacco Smoke

Overall	5.3	3.6	4.5	4.1	4.1	1.9	2.6	2.4	2.0	< 0.001 **
Non-Native	6.0	3.4	5.1	4.6	4.7	2.1	3.0	2.8	2.1	< 0.001 **
Alaska Native	2.8	4.3	2.8	2.4	2.1	1.6	1.2	1.4	1.8	< 0.001 **

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